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DATE MAILED: 06/15/2005

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/816,232	03/31/2004	Brian Doyle	42P17292	9149	
7590 06/15/2005			EXAMINER		
Michael A. Be	ernadicou	WOJCIECHOWICZ, EDWARD JOSEPH			
BLAKELY, SO	KOLOFF, TAYLOR & 2				
Seventh Floor	-	ART UNIT	PAPER NUMBER		
12400 Wilshire Boulevard			2815		
Los Angeles, C	CA 90025	DATE MAILED, 06/15/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary		Applicati	on No.	Applicant(s)				
		10/816,2	32	DOYLE ET AL.				
		Examine	7	Art Unit				
			Vojciechowicz	2815				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)	Responsive to communication(s) filed	on						
2a) <u></u> □	This action is FINAL. 2b)⊠ This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
4) 🖾	Claim(s) 1-28 is/are pending in the ap	plication.						
	4a) Of the above claim(s) <u>12-28</u> is/are withdrawn from consideration.							
5)	5) Claim(s) is/are allowed.							
	6)⊠ Claim(s) <u>1-11</u> is/are rejected.							
	7) Claim(s) is/are objected to.							
8)	Claim(s) are subject to restricti	on and/or election r	equirement.					
Application Papers								
9) 🔲 🤈	The specification is objected to by the	Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
Attachmen	t(s)		_					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4) Interview Summary (PTO-413) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:								

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-11 are rejected under 35 U.S.C. 102(a) as being anticipated by Xiang et al. The reference to Xiang teaches all of the structural features of the claimed invention. For example, comparing the FIG. 1 embodiment of Xiang with claim 1 of the instant invention, Xiang shows a gate electrode (34a) formed on a gate dielectric (36a), a pair of source/drain regions (20) and (22) on opposite sides of the gate, wherein the gate has a central portion (34a) and sidewall portions (34b) which overlap the source/drain regions, and have a different work function from that of the central portion of the gate.

In addition, Xiang also teaches using the same metals as claimed by applicants, including polysilicon, ruthenium and palladium. Xiang offers these metals as examples of those that may be used to achieve various different work function differences to suit various applications, and the claimed differences in actual work function would be inherently met by the Xiang disclosure. In addition, since Xiang teaches the use of yttrium oxide as a suitable gate dielectric, the corresponding use of yttrium as a gate metal would be within the scope of the reference.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edward Wojciechowicz whose telephone number is 571-272-1739. The examiner can normally be reached on Monday through Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (571) 272-1664. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Art Unit: 2815

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edward Wojciechowicz Primary Examiner

Art Unit 2815

EW: ew